

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE

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LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT
Chuang-Chia LinFILING DATE
07/24/2001GROUP
2817

U.S. PATENT DOCUMENTS

EXAMINE R INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
JTR	A	5	6	4	5	6	8	4		7/8/97	Keller	156	643.1	6/7/1995
JTR	B	5	7	1	7	6	3	1		2/10/98	Carley et al.	365	174	6/25/1995
JTR	C	5	9	0	8	7	1	9		6/1/99	Guckel et al.	430	5	9/11/1998
JTR	D	5	9	7	1	3	5	5		10/26/99	Biegelsen et al.	251	129.06	11/27/1996
JTR	E	5	9	4	9	5	7	1		9/7/99	Goossen et al.	359	291	7/30/1998
JTR	F	5	9	4	3	1	5	5		8/24/99	Goossen	359	247	8/12/1998
JTR	G	5	8	6	6	2	8	1		2/2/99	Guckel et al.	430	22	11/27/1996
JTR	H	5	6	3	8	9	4	6		6/17/97	Zavracky	200	181	1/11/1996
JTR	I	5	6	3	7	5	3	9		6/10/97	Hofmann et al.	438	20	1/16/1996
JTR	J	5	3	2	7	0	3	3		7/5/94	Guckel et al.	310	40	12/30/1992
JTR	K	5	2	0	6	9	8	3		5/4/93	Guckel et al.	29	598	5/24/1991
JTR	L	5	0	4	3	0	4	3		8/27/91	Howe et al.	21	306	6/22/1990
JTR	M	5	9	1	4	5	0	7		6/22/99	Polla et al.	257	254	10/30/1996
JTR	N	6	0	2	5	9	5	1		2/15/00	Swart et al.	359	245	11/27/1996
JTR	O	5	3	1	4	5	7	2		5/24/94	Core et al.	156	643	4/22/1992
JTR	P	6	2	0	3	7	1	5		3/20/01	Kim et al.	216	24	1/19/1999
JTR	Q	6	0	2	1	6	7	5		2/8/2000	Seefeldt et al. Seefeldt et al.	73	777	2/28/1997
JTR	R	5	5	7	6	2	5	0		11/19/1996	Diem et al.	437	228	12/27/1993
JTR	S	5	7	8	0	8	8	5		7/14/1998	Diem et al.	257	254	8/15/1996
JTR	T	5	6	2	9	9	1	8		5/13/1997	Ho et al.	369	112	1/20/1995

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLA SS	TRANSLATION	
														YES	NO
	U	1	0	3	3	6	0	1		6/9/2000	Europe	G02B	26/02		X
	V	2	3	2	1	7	8	0		8/5/1998	Great Britain	H01L	37/02		X
	W	0	6	0	5	3	0	0		7/6/1994	Europe	G01P	15/08		X
	X	0	9	4	2	4	6	2		9/15/1999	Europe	H01L	21/311		X
	Y	1	1	2	0	6	7	7		8/1/2001	Europe	G02B	26/02		X
	Z	0	0	5	7	2	3	3		9/28/2000	WIPO	G02B	26/00		X

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
AA		Yao et al., "Single Crystal Silicon Supported Thin Film Micro Mirrors for Optical Applications" Opt. Eng. 36(5) 1408-1413 (May 1997)				
AB		Conant et al. "A Flat High Frequency Scanning Micromirror" Abstract Submitted to Hilton Head 2000.				
AC		Stormont et al. "Flexible Dry Release Process for Aluminum Electrostatic Actuators" Journal of Microelectromechanical System Vol. 3 No. 3 Sept 1994				
AD		Mita et al., "An Out-of-Plane Polysilicon Actuator With a Smooth Vertical Mirror for Optical Fiber Switch Application"				
AE		Marxer et al. "Vertical Mirrors Fabricated by Deep Reactive Ion Etching For Fiber-Optic Switching Applications" Journal of Microelectromechanical Systems, Vol. 6 No. 3, Sept 1997				
AF		Fedder, G.K., "integrated microelectromechanical systems in conventional CMOS", Proceedings of 1997 IEEE International Symposium on Circuits and Systems. Circuits and Systems in the Information Age. ISCAS '97 (Cat. No. 97CH35987), pages 2821-2824, vol. 4				
AG		Provisional Patent Application of Behrang Behin et al., "Global Mechanical Stop for Precise Positioning of a Field of Mirrors", filed March 9, 1999				
AH		L. Y. Lin, et al, "Free Space Micromachined Optical Switches with Submillisecond Switching Time for Large-Scale Optical Crossconnects, IEEE Photonics Technology Letters, Vol 10, No. 4, April 1998				
AI		US Patent Application Ser. No. 09/489,264 of Robert L. Wood et al, "MEMS Optical Cross-Connect Switch", filed Jan. 20, 2000				
<table border="1"> <tr> <td>EXAMINER</td> <td>DATE CONSIDERED</td> </tr> <tr> <td><i>[Signature]</i></td> <td>7/23/04</td> </tr> </table>			EXAMINER	DATE CONSIDERED	<i>[Signature]</i>	7/23/04
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<i>[Signature]</i>	7/23/04					
<p>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>						